Name Class

Teacher Date

6.EE.1

=====================================================================

Evaluate the following expressions

102 − (6 + 43)

A 82

B 30

C 2

D 70

(8 + 4)2 · 33

A 144

B 648

C 216

D 3,888

6.EE.2a

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Choose the correct expression for each phrase.

The product of y and 9

A 9y

B y/9

C y+9

D 9-y

Three times thirteen decreased by x

A 13x -3

B (3\*13)-x

C 3x-13

D x/3 - 13

6.EE.2b

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Identify the following parts of the expression below.

(8x + 4y)2 · 73

What is the 8 called?

A exponent

B operation

C variable

D coefficient

What is the y called?

A exponent

B operation

C variable

D coefficient

6.EE.2c

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Use the formulas below to find the volume and surface area of the rectangular prism with the following dimensions.

*Length = 4 inches. Width = 5 inches. Height = 2 inches.*

*Volume = l \* w \* h*

*Surface Area = 2(l\*w) + 2(l\*h) + 2(w\*h)*

What is the volume of the rectangular prism?

A 30 in3

B 40 in3

C 45 in3

D 50 in3

What is the surface area of the rectangular prism?

A 76 in2

B 44 in2

C 16 in2

D 75 in2

6.EE.3

=====================================================================

Use the distributive property to create an equivalent expression for each of the following.

3(x-5)

A 3x-15

B 3x+15

C 3x-5

D 3x+5

24 + 8x

A 8(24+x)

B 8(3+x)

C x(24+8)

D 3(x+24)

6.EE.4

=====================================================================

Determine which of the following expressions area equivalent.

8k + 4x + 2 and 4 (2k + x) + 2

A Yes

B No

7(3f+2)-9f+3x5 and 12f+85

A Yes

B No